

# Gas Monitors

## Standard Operating Procedure

**Whenever you are using gasses inside the Dirck Gerritsz Laboratory make sure to install one of the available portable gas detection alarms. These are stored in lab**  
**Annunciation**

The Gas monitors in the Dirck Gerritsz laboratory are for detection of O<sub>2</sub> levels. They will alarm:

if levels of oxygen get too high (>23.5%)

if levels of oxygen get too low (<19.5%)

### Operating the gas monitors:

- to activate the detector press and hold the Pushbutton for 5 seconds
- start each use with a Self-Test of the gas monitor (this is automatically done when activating the gas monitor)
- Periodically test the response of the sensor to gas
- Calibrate the GasAlertClip Extreme oxygen (O<sub>2</sub>) detector every 30 days

The gas monitors cannot be switched off and will run continuously for 2 years, after activating. These gas monitors need replacement every 2 years

### What to do in the event of sounding

There are 2 alarms:

- Low Gas Alarm: 1 slow beep/ vibration/ flash every second
- High Gas Alarm: 2 fast beeps/ vibrations/ flashes every second
- Leave the room
- Close the valve on the cylinder to stop the gas flow
- Read out the values of the alarm
- Immediate danger to life if oxygen levels are below 14%
- Danger if oxygen levels are between 14 and 18%.
- Increased fire risk if oxygen levels are over 23.5%
- Ventilate the room until oxygen levels are safe again (19-20%)
- Professional medical treatment might be required! Check with the station's doctor
- Ensure any faulty equipment is checked / repaired before re-use.

Read the user manual that is delivered with the gas monitors (document “50104153-002 GasAlertClip Extreme, User manual, A4 web”)

### At a Glance

